

Multiplying Factors (C)

Find the product of each pair of factors.

1. $(9x + 5)(4x + 7)$

11. $(-x + 9)(9x - 1)$

2. $(6x + 8)(-4x - 4)$

12. $(9x - 8)(7x - 5)$

3. $(-8x - 4)(x - 9)$

13. $(3x - 4)(3x + 7)$

4. $(2x - 3)(-4x - 7)$

14. $(-6x - 6)(5x + 5)$

5. $(3x + 5)(-8x + 2)$

15. $(3x + 4)(x + 7)$

6. $(-7x - 6)(4x - 2)$

16. $(-3x - 1)(5x - 8)$

7. $(-9x + 5)(x + 4)$

17. $(-5x + 6)(6x + 5)$

8. $(-8x - 1)(4x - 7)$

18. $(5x - 7)(6x - 5)$

9. $(x - 7)(-3x + 4)$

19. $(-4x + 7)(-6x - 3)$

10. $(7x + 5)(-9x - 2)$

20. $(-2x - 4)(7x - 8)$

Multiplying Factors (C) Answers

Find the product of each pair of factors.

1. $(9x + 5)(4x + 7)$
 $36x^2 + 83x + 35$

2. $(6x + 8)(-4x - 4)$
 $-24x^2 - 56x - 32$

3. $(-8x - 4)(x - 9)$
 $-8x^2 + 68x + 36$

4. $(2x - 3)(-4x - 7)$
 $-8x^2 - 2x + 21$

5. $(3x + 5)(-8x + 2)$
 $-24x^2 - 34x + 10$

6. $(-7x - 6)(4x - 2)$
 $-28x^2 - 10x + 12$

7. $(-9x + 5)(x + 4)$
 $-9x^2 - 31x + 20$

8. $(-8x - 1)(4x - 7)$
 $-32x^2 + 52x + 7$

9. $(x - 7)(-3x + 4)$
 $-3x^2 + 25x - 28$

10. $(7x + 5)(-9x - 2)$
 $-63x^2 - 59x - 10$

11. $(-x + 9)(9x - 1)$
 $-9x^2 + 82x - 9$

12. $(9x - 8)(7x - 5)$
 $63x^2 - 101x + 40$

13. $(3x - 4)(3x + 7)$
 $9x^2 + 9x - 28$

14. $(-6x - 6)(5x + 5)$
 $-30x^2 - 60x - 30$

15. $(3x + 4)(x + 7)$
 $3x^2 + 25x + 28$

16. $(-3x - 1)(5x - 8)$
 $-15x^2 + 19x + 8$

17. $(-5x + 6)(6x + 5)$
 $-30x^2 + 11x + 30$

18. $(5x - 7)(6x - 5)$
 $30x^2 - 67x + 35$

19. $(-4x + 7)(-6x - 3)$
 $24x^2 - 30x - 21$

20. $(-2x - 4)(7x - 8)$
 $-14x^2 - 12x + 32$